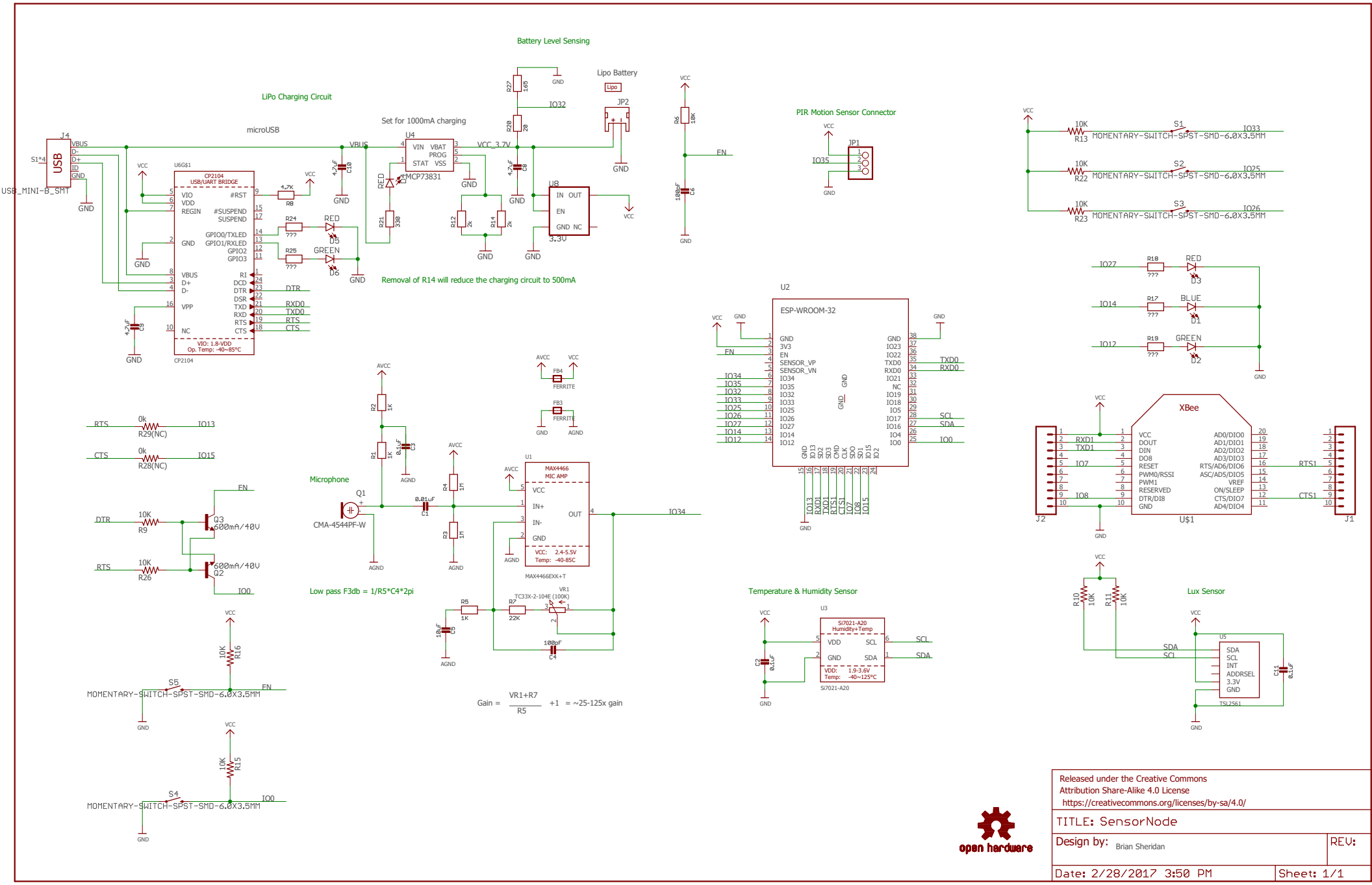
Battery Level Sensing
LiPo Charging Circuit
microUSB
Set for 1000mA charging
Lipo Battery
PIR Motion Sensor Connector
Removal of R14 will reduce the charging circuit to 500mA
Microphone
Low pass F3db = 1/R5*C4*2pi
Temperature & Humidity Sensor
Lux Sensor
Gain = VR1+R7 / R5 +1 = ~25-125x gain
USB_MINI-B_SMT
CP2104 USB/UART BRIDGE
MCP73831
ESP-WROOM-32
MAX4466 MIC AMP
MAX4466EXK+T
CMA-4544PF-W
TC33X-2-104E (100K)
Si7021-A20 Humidity+Temp
Si7021-A20
XBee
TSL2561
MOMENTARY-SWITCH-SPST-SMD-6.0X3.5MM
600mA/40V
FERRITE
open hardware
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TITLE: SensorNode
Design by: Brian Sheridan
REV:
Date: 2/28/2017 3:50 PM
Sheet: 1/1